

Title (en)

Recovery of solvent in hydrocarbon processing systems.

Title (de)

Zurückgewinnung von Lösungsmitteln in Kohlenwasserstoffbehandlungsanlagen.

Title (fr)

Récupération de solvant dans des systèmes de traitement d'hydrocarbures.

Publication

EP 0100401 A1 19840215 (EN)

Application

EP 83104308 A 19830502

Priority

- US 37729382 A 19820512
- US 37729482 A 19820512

Abstract (en)

A lubricating oil solvent refining process employing N-methyl-2-pyrrolidone as solvent in which solvent is recovered from a solvent-oil mixture in a staged series of vaporization zones at progressively increasing pressure with external heat supplied only to the vaporization stage having the highest pressure and control of vaporization in the lower pressure stages is effected by passing a minor portion of the vapors from the highest pressure stage to the lowest pressure stage. A high temperature vacuum flash vaporization zone may follow the high pressure vaporization stage with external heat supplied to the vacuum flash vaporization zone.

IPC 1-7

C10G 21/28

IPC 8 full level

C10G 21/00 (2006.01); **C10G 21/28** (2006.01)

CPC (source: EP KR)

C10G 21/00 (2013.01 - KR); **C10G 21/28** (2013.01 - EP KR)

Citation (search report)

- [X] GB 2020559 A 19791121 - LUMMUS CO
- [X] DE 3002984 A1 19810806 - EDELEANU GMBH [DE]
- [AD] US 4057491 A 19771108 - BUSHNELL JAMES D, et al
- [AD] US 3461066 A 19690812 - MORRIS HERBERT C, et al

Cited by

CN113617052A; RU2651547C1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0100401 A1 19840215; AU 1421183 A 19831117; AU 554865 B2 19860904; ES 522342 A0 19840816; ES 8407086 A1 19840816; KR 840004779 A 19841024; KR 850001273 B1 19850904; MX 166951 B 19930215

DOCDB simple family (application)

EP 83104308 A 19830502; AU 1421183 A 19830504; ES 522342 A 19830512; KR 830002028 A 19830511; MX 2666083 A 19830506